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(54) **ROBOTIC HAIR DRYER HOLDER SYSTEM WITH TRACKING**(71) Applicant: **Khaled A. M. A. A. Al-Khulaifi**, Safat (KW)(72) Inventor: **Khaled A. M. A. A. Al-Khulaifi**, Safat (KW)

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See application file for complete search history.

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The robotic hair dryer holder system with tracking includes a robotic arm mounted to a base and a brush. The base mounts to a surface of a desired location for placement of the robotic arm. The robotic arm includes a plurality of articulating members that rotate and pivot with respect to each other. A hair dryer holder is attached to a distal end of the robotic arm and includes a motion detector. The hair dryer holder selectively holds a hair dryer, and the motion detector tracks a sensor element on the brush, causing the robotic arm to follow movements of the brush to dry a user's hair.

14 Claims, 6 Drawing Sheets